

WHAT IS CLAIMED IS:

1. A storage device for a liquid medium, the storage device comprising:
a housing having an interior provided with at least one partitioning element dividing the interior into a first chamber for receiving the liquid medium and into a second chamber filled at least partially with a gas under pressure, wherein the gas keeps the liquid medium in the first chamber under pressure;
wherein the at least one partitioning element is formed at least partially of an expandable bellows.
2. The storage device according to claim 1, further comprising a lid, wherein the bellows is fastened pressure-tightly to the lid.
3. The storage device according to claim 2, wherein the lid is a lid of the housing pressure-tightly closing the interior receiving the bellows.
4. The storage device according to claim 2, wherein the lid projects past the bellows in a direction transversely to an axis of the bellows.
5. The storage device according to claim 1, wherein the at least one partitioning element comprises a bottom part connected pressure-tightly to the bellows.
6. The storage device according to claim 5, wherein the second chamber is delimited by a part of the lid, the bellows, and the bottom part.
7. The storage device according to claim 6, wherein the housing surrounds

the bellows at a spacing.

8. The storage device according to claim 6, wherein the housing has a housing bottom and wherein the housing bottom has at least one pressure connector, wherein the liquid medium is supplied to the first chamber via the at least one pressure connector.

9. The storage device according to claim 8, wherein the bottom part closes off the pressure connector when the liquid medium in the first chamber is at minimum pressure.

10. The storage device according to claim 2, wherein the lid is provided with at least one closable filling opening.

11. The storage device according to claim 10, wherein the second chamber contains in addition to the gas an incompressible medium.

12. The storage device according to claim 11, wherein the incompressible medium is a liquid.

13. The storage device according to claim 10, further comprising a solid body arranged in the second chamber.

14. The storage device according to claim 13, wherein the solid body has at least one opening connecting the filling opening of the lid to the second chamber.

15. The storage device according to claim 13, wherein the solid body is attached to the lid.

16. The storage device according to claim 1, wherein the housing has a plane bottom.
17. The storage device according to claim 1, wherein the housing has a curved bottom.
18. The storage device according to claim 1, wherein the bellows is comprised of steel.
19. The storage device according to claim 18, wherein the bellows is comprised of stainless steel.